

**Camp Navajo
Stakeholder Advisory Group (SAG)**

Thursday, July 14, 2005
Camp Navajo
Bellemont, AZ

Minutes

Members in attendance:

Alan Anderson, Coconino National Forest
Tom Britt, community member
Stacy Duffy, ADEQ
Randy Wilkinson, NGB

MAJ Bill Myer, NGB
Tom Parker, Camp Navajo

Members absent:

Shaula Hedwall, USFWS
Michele James, community member
Christine Krosnicki, City of Flagstaff
Lee Luedeker, AGFD
Glenn Morrison, community member
LTC Pete Tosi, Camp Navajo

Guests

Sharlene Alexis, USPFO for AZ
Shannon Clark, Coconino National Forest
Dana Downs-Heimes, CH2MHill
Paul Hanneman, MKM Engineers
Kim Harriz, AMEC
Michael Heitmann, CH2MHill
Mary Hershner, TSC
John Kim, Brown & Caldwell
Srinu Neralla, MKM Engineers
Steve Romanow, CH2MHill
Marty Rozelle, The Rozelle Group
Karen Underhill, community member
Scott Veenstra, AMEC

Interested Parties

Denise Baker, USFWS
Tim Cowan, Camp Navajo
LT Sandra Mallach, AZARNG Environmental

The following acronyms may be used throughout this document

ADEMA	Arizona Department of Emergency and Military Affairs
ADEQ	Arizona Department of Environmental Quality
AGFD	Arizona Game & Fish Department
AZARNG	Arizona Army National Guard
BRAC	Base Realignment and Closure
CDC	Contained Detonation Chamber
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COPC	Contaminants of Potential Concern
EDMS	Electronic Data Management System
FOASA	Former Open Air Storage Area
FSP	Field Sampling Plan
FWPDBA	Former White Phosphorous Detonation and Burn Area (Chemical Canyon)
IRP	Installation Restoration Program
HERA	Human Health & Ecological Risk Assessment
LTM	Long Term Management
MAP	Management Action Plan
MEC	Munitions and Explosives of Concern
MWP	Master Work Plan
NAAD	Navajo Army Depot
NAU	Northern Arizona University
NGB	National Guard Bureau
OB/OD	Open Burn/Open Detonation
ORS	Ordnance Related Scrap
PBC	Performance Based Contract
ppb	parts per billion
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RC	Response Complete
RI/FS	Remedial Investigation/Feasibility Study
RIP	Remedy in Place
SAG	Stakeholder Advisory Group

SSHP	Site Safety and Health Plan
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USFWS	U.S. Fish & Wildlife Service
USGS	U.S. Geological Survey
UXO	Unexploded Ordnance
WMM	Waste Military Munitions

The following matters were discussed, recommended, and/or decided.

1. *Welcome, Introductions and Announcements*

Randy Wilkinson chaired the meeting. SAG members introduced themselves, as did the community member in attendance. Alan Anderson announced he will be retiring from the USFS in early October, and Shannon Clark will be representing the Coconino National Forest after that time. Randy mentioned that this is the 18th SAG meeting and acknowledged the progress that has been made.

2. *Status of Action Items from April 14, 2005, SAG Meeting*

Michele James has resigned from the SAG. Karen Underhill was unanimously approved to fill the community member vacancy. Karen lives four miles east of Camp Navajo and is Head of Special Collections and Archives at the Northern Arizona University Cline Library, the location of the public information repository.

3. *Supplemental Characterization of MEC at NAADs 01, 02/03, and 20.*

MAJ Myer introduced Mike Heitmann of CH2MHill, the new contractor for the supplemental characterization of MEC at NAADs 01, 02/03, and 20. CH2MHill is a U.S. company of 12,000 employees and provides complete program management, planning, engineering design, technology, and construction services around the world. Their job for the OB/OD Area Closure Project is to investigate/remediate these four sites. They will first establish the clean-up criteria by which MEC will be evaluated to determine the remedial success of the project. They will review existing data and decide if additional information is needed to meet the remedial goals. If necessary, they will gather the data and remediate the MEC to the established criteria. After their work is completed, the sites would be closed with regard to MEC.

Mike's presentation is posted on the public website.

4. *Program Status by Contractor*

Randy introduced the various contractors who, in turn, explained their role and updated progress on their respective projects. The presentations are posted on the public website.

Brown & Caldwell. John Kim, Program Manager, presented an extensive list of projects in various stages of completion. Work on these projects span almost 2 ½ years and are located in the OB/OD Area. Several disciplines are included in the following areas:

- Master Plans and Reports Since 2004
- Operational History Report
- Cultural Resources
- Natural Resources
- Airborne Magnetometer Data Evaluation
- Frost Heave Survey
- IRP Buyout Site Closure
- FR03 Footprint Reduction

- Surface Water and Groundwater Monitoring
- NAAD 03 Remedial Investigation/Feasibility Study
- NAAD 02 Remedial Investigation/Feasibility Study
- NAAD 09C Removal Action

John's presentation included extensive information on 54 slides. Please review the actual presentation for specific details. John also showed a video of the removal action at NAAD 09C.

Randy clarified that no cultural or historic sites have been found that would require any extensive mitigation. The cultural surveys are finished, and contractors will proceed under guidance from the treatment plan until they are ready to begin remediation. At that time specific impacts, if any, will be identified and mitigated appropriately. All cultural sites have been identified, so other work in the OB/OD area will not be affected.

Camp Navajo and NGB will conduct a Mexican Spotted Owl (MSO) survey for the entire Installation in 2006. The Biological Evaluation and Cultural Resources Treatment Plan are master documents in the sense that they cover all activities in the OB/OD Area.

The Surface Water Ground Water Monitoring 3rd Quarter Report has been sent to ADEQ, along with a proposed scope for next year's monitoring activities. The next scheduled sampling should begin in August.

AMEC Earth and Environmental. Scott Veenstra, Program Manager, provided an overview of the investigation progress on their assigned sites in the OB/OD Area.

NAAD Site	Remedial Investigation	Draft RI Report	Risk Assessment
09D	Complete	Approved by ADEQ	Ecological – under agency review
08B	Complete	Approved by ADEQ	Human Health & Ecological – under review
05 & 06	Phase I complete	Technical Letter Report in preparation	

For NAAD sites 05 and 06, the Work Plan Addendum and Phase II RI are pending.

MKM Engineers. Srinu Neralla, Program Manager for MKM Engineers summarized their responsibilities. MKM is teamed with AMEC and CH2MHill to implement a Response Complete (RC)/Remedy-In-Place (RIP) for seven sites in the OB/OD Area:

- NAAD 01- Old Explosives Ordnance Disposal Demolition Area
- NAAD 04- CK/CG Demilitarization Area
- NAAD 07- Closed TNT Retention Ponds
- NAAD 08A-Former Open Burn Area (Ponds)
- NAAD 09A- Closed Open Burn Area
- NAAD 10– Pad #3
- NAAD E76– Suspected Mustard Gas Burial Site

Their task also includes the Long Term Management (LTM) activities for five sites: NAAD 40 (Former Sanitary Landfill); NAAD 43 (Former Construction Debris Landfill #5); and the Ammunition Workshop Area sites NAADs 11B, 14D and 14G.

The MKM Team is drafting work plans to provide specific details of planned sampling and analysis, data use, and a path forward to achieve site closure. An Interim Work Plan to perform rehabilitation work at the landfill sites and monitoring wells to be included in the LTM program has been submitted for ADEQ review. The MKM Team is also drafting work plans to provide specific details of planned sampling and analysis, data use, and ramp-down strategies for these sites as part of the LTM program.

Randy said that every site will undergo a risk screening, which will determine the need, if any, for remediation. By this time next year a risk screening will have been completed for all sites. MKM is required to characterize and close their OB/OD sites by end of 2006.

Stacy asked about the discovery of propellants at one of the Pads. Randy explained that Pad 1 is the current lay-down area. PAD 3 is NAAD 10, Pad 4 is NAAD 9D, and at PAD 5 some propellants were discovered during the recent site walk.

5. Risk Assessment

AMEC is responsible for developing the Human Health and Ecological Risk Assessment Work Plan and the application of the risk assessment process to the OB/OD Area. The goal is to develop a uniform approach to human and ecological risk that will be applied across all teams and projects. The process for conducting risk assessment was agreed to by the USFWS and the ADEQ. A risk screening is first conducted for each site. If risks are above accepted standards, a risk characterization is completed. The status of ongoing risk assessments is summarized in the table:

NAAD site	Risk screening for soil RI	Risk to human health	Risk to Ecological Receptors	Status
09D	Yes	No	Potential	Awaiting ADEQ and USFWS review
08B	Yes	Potential	Potential	Awaiting ADEQ and USFWS review
02	Yes	Potential	Potential	Awaiting NGB review
03	Yes	No	Potential	Awaiting NGB review

Upcoming risk assessments will be done for NAAD 05, 06, and the MKM PBC sites. ADEQ deferred the ecological risk reviews to the USFWS. NGB and USFWS have a Memorandum of Agreement.

6. Status of Future Land Use Determinations.

MAJ Myer explained that a determination of future land use is important in helping to decide the level of clean-up at each OB/OD site. The human health and ecological risk assessments in the OB/OD Area will be based on future land use. In March 2004 ADEQ asked NGB for future land use determinations. The AZARNG conducted a land use study to decide what kind of training activities could be done in the OB/OD Area. They have submitted two revised Land Use Requirements Study to the NGB. Ultimately, the U.S. Army will approve specific training requirements.

Randy further explained that because the future land use has not been determined, the risk assessments are investigating all potential exposure pathways – from the hunter and the recreationalist to the military trainee who may dig foxholes or other intrusive activities and may be exposed to subsurface soils. To maintain the remediation schedule it will become important to know the land use determination by the end of this year.

7. Call to the public

No one from the public was present.

8. Action Items and Next Meetings

Stacy asked for a color-coded map showing the areas of responsibility for each contractor. This will make it easier to keep the big picture in mind. She also asked if NAU would present the results from the second year of the frost heave study at the next meeting.

The next SAG meeting is scheduled for Thursday, November 3 at Camp Navajo from 10 until noon. The 2006 1st Quarter meeting is set for January 12.